

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A method of coating well defined discrete areas of a flexible substrate in a continuous roll to roll manner, the method comprising the steps of creating a lyophobic or lyophilic surface pattern on the substrate, a desired pattern of lyophilic or lyophobic areas being left, overcoating the created surface pattern with a layer of coating solution, the solution withdrawing from the lyophobic areas and collecting on the lyophilic areas.
2. (original) A method as claimed in claim 1 wherein the coating solution comprises more than one distinct layer, simultaneously overcoated.
3. (original) A method as claimed in claim 1 wherein the surface pattern is created on the substrate by means of one of: flexographic printing, offset printing, gravure printing, screen printing, lithography, inkjet (continuous or drop on demand), micro contact printing, plasma deposition, plasma treatment, electrostatic spray or optical means using light or a laser to write the pattern.
4. (original) A method as claimed in claim 1 wherein the steps of creating a surface pattern on the substrate and overcoating the surface pattern with one or more layers of coating solution takes place inline.
5. (original) A method as claimed in claim 1 wherein the created surface pattern comprises a fluoropolymer material.
6. (original) A method as claimed in claim 1 wherein the created surface pattern includes a silicone release agent.

7. (original) A method as claimed in claim 1 wherein the created surface pattern comprises a chemical species containing one or more lyophobic moieties and one or more adhesive moieties.

8. (original) A method as claimed in claim 1 wherein the coating solution is a solvent based solution.

9. (cancelled)

10. (cancelled)

11. (original) A method as claimed in claim 1 wherein the coating solution has conductive and/or photonic properties.

12. (cancelled)

13. (cancelled)

14. (original) A method as claimed in claim 1 wherein the coating solution includes surfactant.

15. (original) A method as claimed in claim 1 wherein the coating solution is subsequently dried and/or cured.

16. (original) A method as claimed in claim 1 wherein the composition of the coating solution is sufficiently dilute such that during drying spontaneous dewetting from the lyophobic areas takes place.

17. (original) A method as claimed in claim 1 wherein the coating solution is destabilised at set spatial and temporal locations of the coating.

18. (original) A method as claimed in claim 1 wherein the surface pattern is switched from lyophobic to lyophilic, or vice versa, by means of one of: temperature, light, pH, electrostatic field, magnetic field.

19. (original) A method as claimed in claim 18 wherein a further layer or layers of coating solution is applied over the first overcoat to create a further substrate onto which a further pattern may be created and/or further layers of coating solutions applied.

20. (original) A method as claimed in claim 1 wherein the lyophobic surface yields a receding contact angle with the coating solution of 50° or more and the lyophilic surface yields a receding angle of 10° or less.

21. (original) A method as claimed in claim 1 wherein the lyophobic surface yields a receding contact angle with the coating solution of 90° or more and the lyophilic surface yields a receding angle of 5° or less.

22. (original) A method as claimed in claim 1 wherein the coating solution is deposited onto the created surface pattern by a pre-metered coating process.

23. (original) A method as claimed in claim 1 wherein the coating solution is deposited onto the created surface pattern by a post metered coating process.

24. (original) A method as claimed in claim 1 wherein the coating solution is deposited onto the created surface pattern by means of one of: bead coating, curtain coating, by blade, roll, gravure, air knife, inkjet, electrostatic spray.

Claims 25-29 (cancelled)